

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\  
 Data File : BM013063.D  
 Acq On : 21 Nov 2017 02:47  
 Operator : SJ/JU  
 Sample : I6489-10  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE2Z0

Quant Time: Nov 21 04:00:27 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 21 01:43:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 236971   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 987119   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 555545   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 1094600  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.28 | 240  | 937208   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.52 | 264  | 872643   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 29388   | 5.75  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 141102  | 6.87  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 335322  | 28.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 399752  | 24.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 261143  | 15.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 243531  | 34.62 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 277671  | 41.49 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 471597  | 27.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 108299  | 6.10  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.77 | 166 | 1418787 | 29.11 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.05 | 160 | 1751737 | 28.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.57 | 143 | 47233   | 6.39  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.35 | 176 | 1184806 | 28.61 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 207827  | 43.79 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.20 | 188 | 1696943 | 30.28 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 1614343 | 33.72 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.37 | 264 | 1389706 | 31.40 | ng/ul | 0.00 |

## Target Compounds

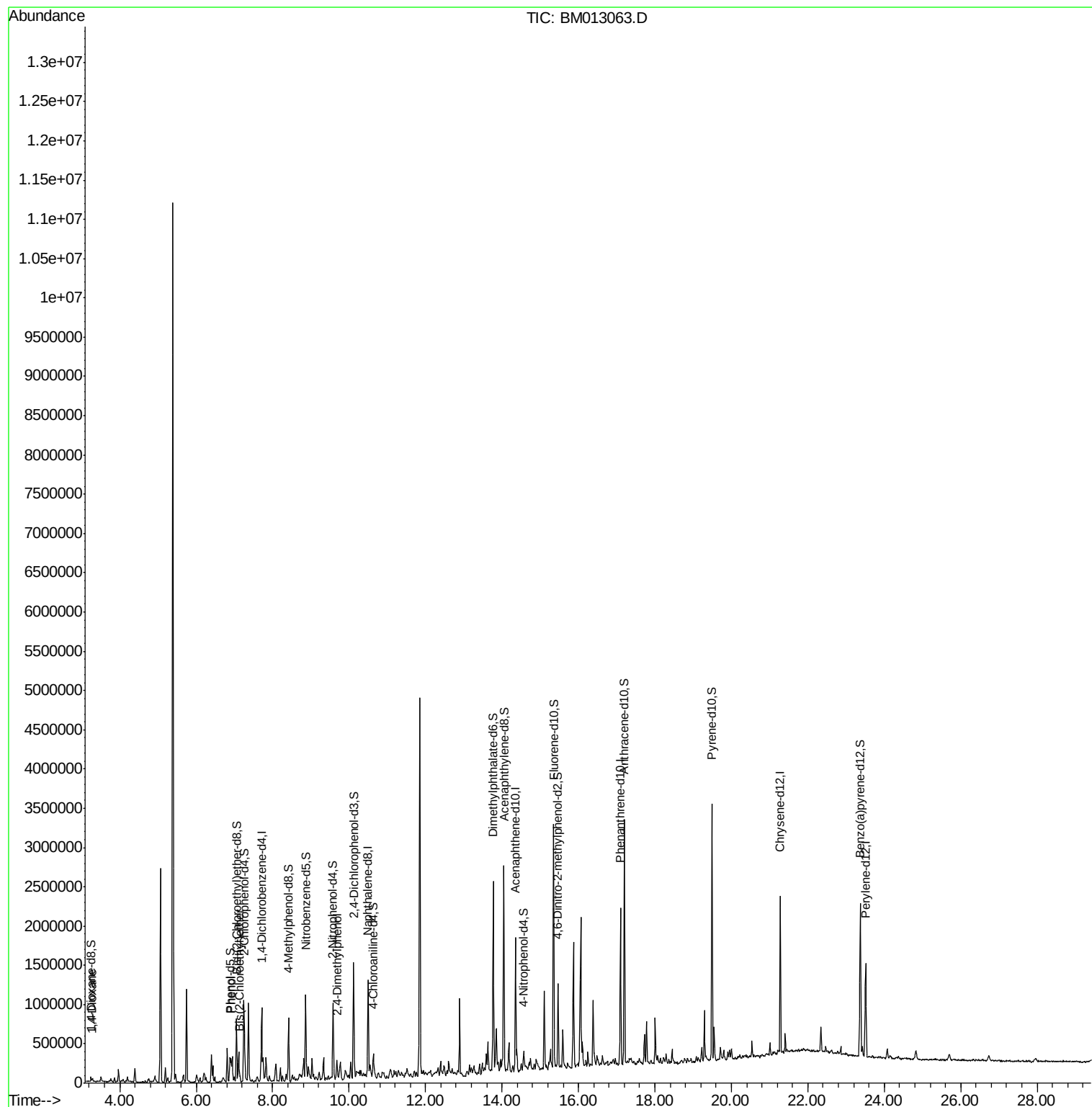
|                            |      |     |        | Ovalue |           |
|----------------------------|------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane             | 3.28 | 88  | 18480  | 3.288  | ng/uL# 70 |
| 6) Phenol                  | 6.91 | 94  | 142683 | 7.043  | ng/ul# 83 |
| 8) Bis(2-Chloroethyl)ether | 7.15 | 93  | 21910  | 1.436  | ng/ul 96  |
| 24) 2,4-Dimethylphenol     | 9.67 | 107 | 89755  | 4.685  | ng/ul 95  |

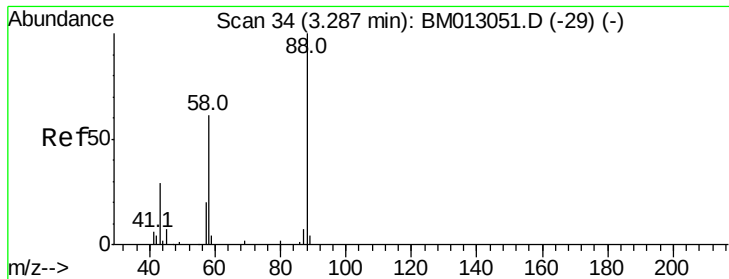
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 3.288 ng/uL

RT: 3.28 min Scan# 33

Delta R.T. -0.01 min

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BNA\_M

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BE2Z0

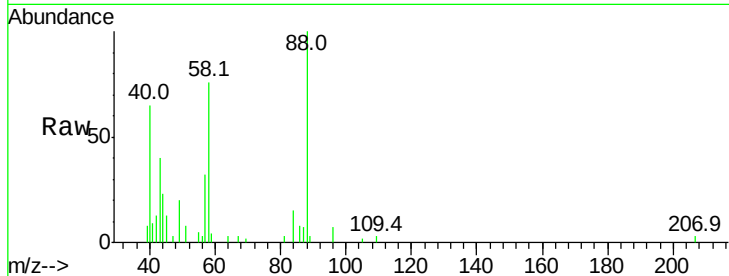
Tot Ion: 88 Resp: 18480

Ion Ratio Lower Upper

88 100

43 42.4 48.0 72.0#

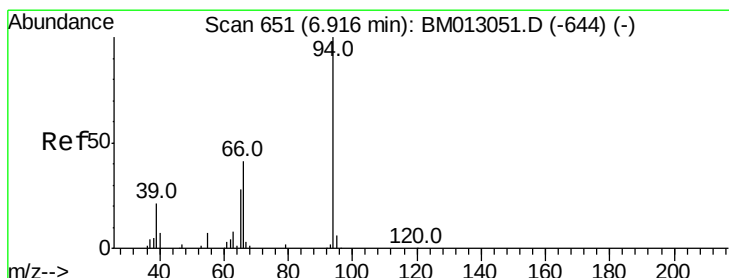
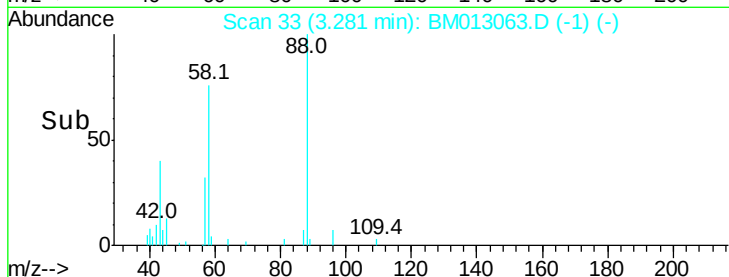
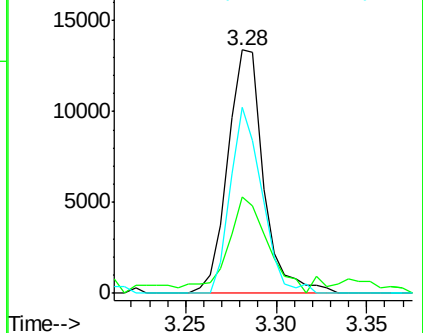
58 66.4 80.0 120.0#



Abundance Ion 88.00 (87.70 to 88.70): BM013051.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM013051.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM013051.D (-29) (-)



#6

Phenol

Concen: 7.043 ng/uL

RT: 6.91 min Scan# 650

Delta R.T. -0.01 min

Lab File: BM013063.D

Acq: 21 Nov 2017 02:47

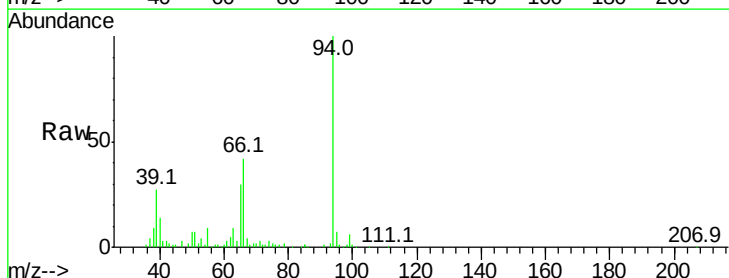
Tgt Ion: 94 Resp: 142683

Ion Ratio Lower Upper

94 100

65 30.2 28.2 42.4

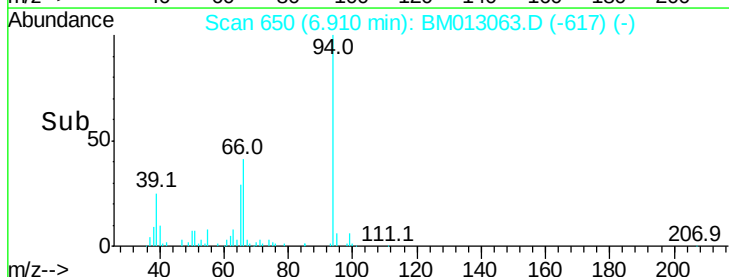
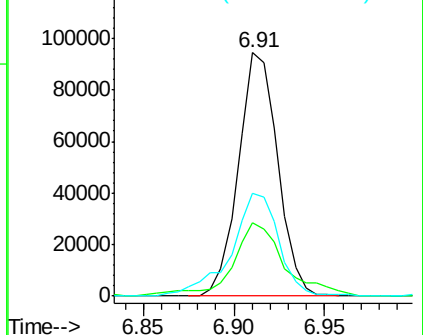
66 42.2 47.2 70.8#

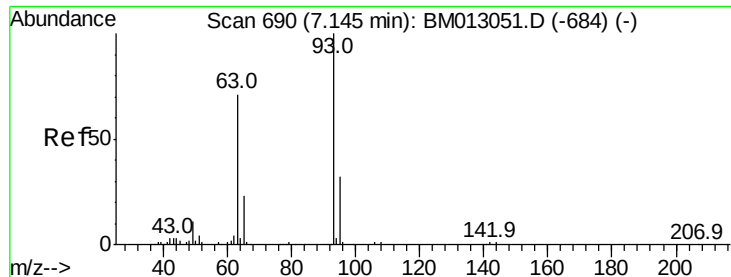


Abundance Ion 94.00 (93.70 to 94.70): BM013051.D (-644) (-)

Ion 65.00 (64.70 to 65.70): BM013051.D (-644) (-)

Ion 66.00 (65.70 to 66.70): BM013051.D (-644) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 1.436 ng/ul

RT: 7.15 min Scan# 690

Delta R.T. 0.00 min

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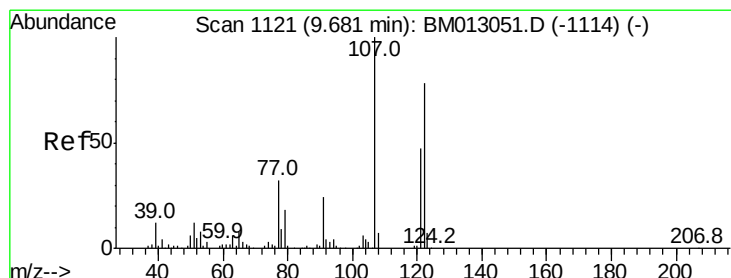
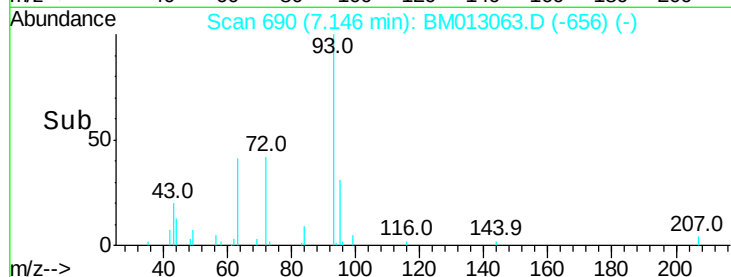
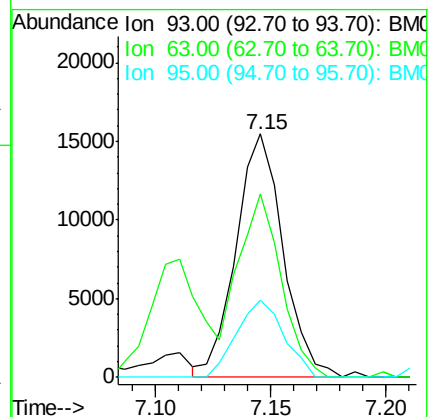
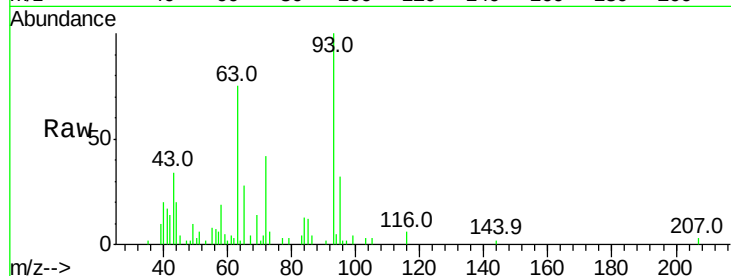
Tot Ion: 93 Resp: 21910

Ion Ratio Lower Upper

93 100

63 75.4 57.3 85.9

95 31.9 26.6 39.8



#24

2,4-Dimethylphenol

Concen: 4.685 ng/ul

RT: 9.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BM013063.D

Acq: 21 Nov 2017 02:47

Tgt Ion: 107 Resp: 89755

Ion Ratio Lower Upper

107 100

121 47.2 31.9 47.9

122 73.0 57.8 86.6

